

# ALUMNI NEWS

CARLETON UNIVERSITY

Volume 5, Number 6  
November/December 1985



CULTURE ON CAMPUS



Woodland Indian Artist

# Benjamin Chee Chee

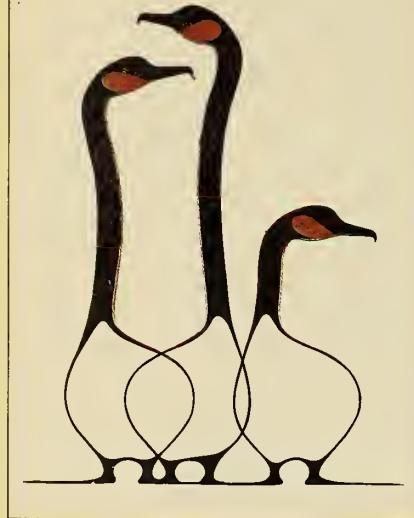
Alumni Media is pleased to present 9 reproductions of works by the late Benjamin Chee Chee.  
These are the only reproductions authorized by the artist's estate.

A mainly self-taught artist, Chee Chee was a prominent member of the second generation of woodland Indian painters.

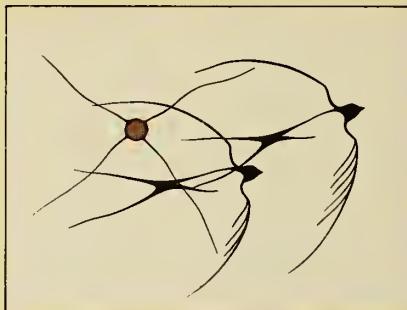
Unlike many of his contemporaries who employed direct and "primitive" means, Chee Chee's work was influenced by modern abstraction. His style reduced line and image in keeping with international modern art.

At the age of 32, at the height of his success, Chee Chee died tragically by suicide.

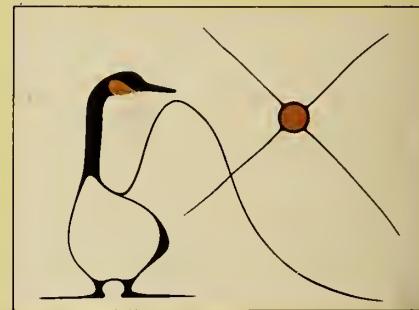
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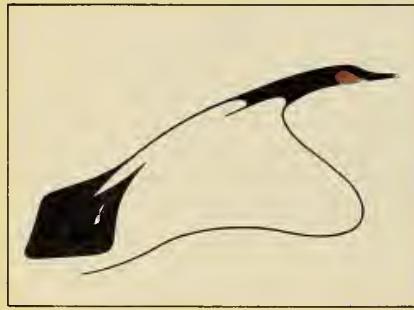
A Friends



B Swallows



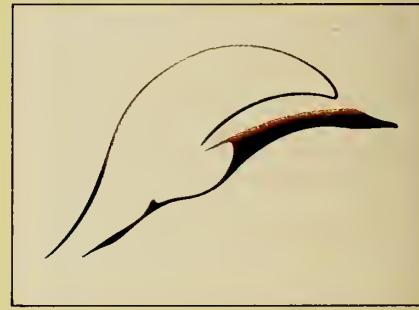
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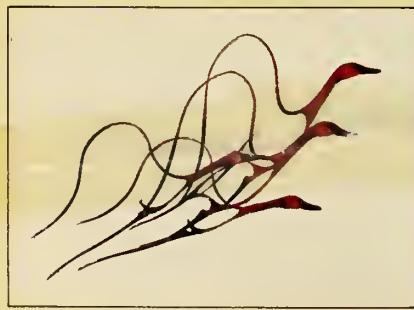
D Proud Male



E Mother & Child



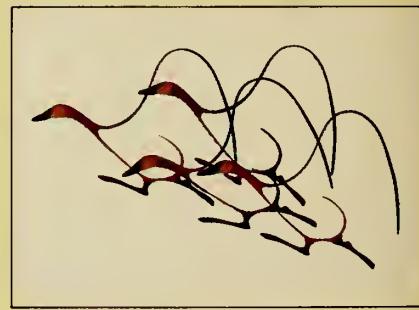
F Sun Bird



G Spring Flight



H Wait For Me



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# ALUMNI NEWS

## CARLETON UNIVERSITY

Volume 5, Number 6

November/December 1985



FEATURE REPORT 14

At a Thursday Noon Hour Concert this fall, Professor of Music David Piper gave the inaugural performance on a 100-year-old tracker organ recently acquired by the University. In the feature report in this issue, we look at the cultural activities of the University, how they blend with and are shaped by the University's academic strengths and qualities. With almost 400 events held annually on campus, there's more than we can deal with in one article or magazine. However, we hope we have been able to provide an overview that contributes to a better understanding of the University as a cultural resource in Canada.

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Views expressed or implied do not necessarily reflect those of the entire University community or the Alumni Association.

Your views, questions, comments and other suggestions are welcome. Submissions should be addressed to the Editor, Alumni News, at the above address.

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# Enrolment Continues to Grow

Enrolment at Carleton University took another jump this year, with the number of full-time students increasing by 7.8 percent over 1984-85.

There are now 11,381 full-time students at the University, more than at any other time in its history.

In fact, when Carleton moved to its present site in 1959, its total full-time

enrolment was about the equivalent of the University's full-time graduate enrolment today.

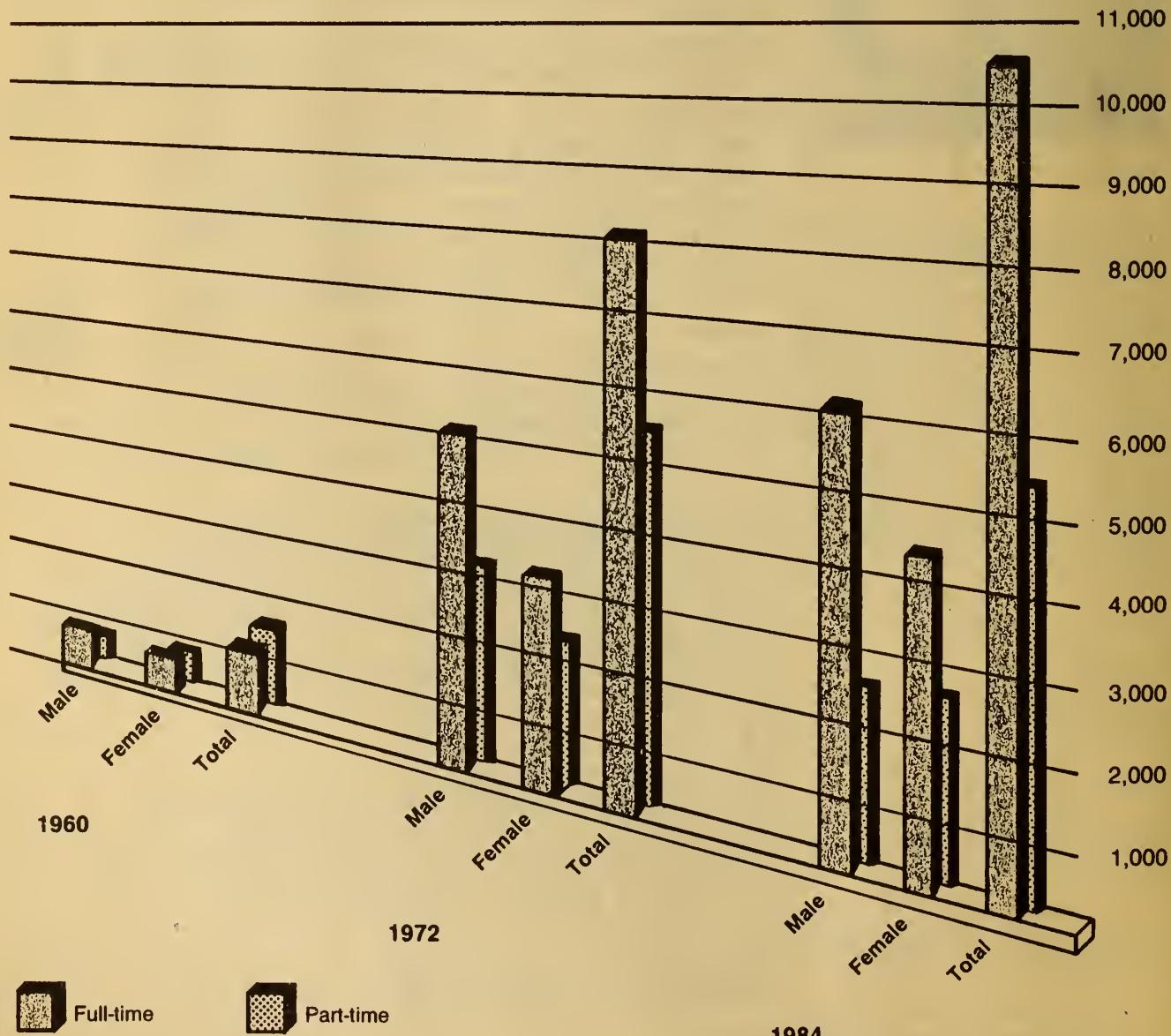
The years have seen a steadily increasing number of women relative to men enrolling at the University; in 1984, the number of women part-time students even surpassed the number of men.

And while there were more part-time

than full-time students at Carleton in 1960, today the number of full-time students is nearly double that of part-time ones.

In its official enrolment statistics for the year, the University is reporting 10,262 full-time undergraduate and 1,119 full-time graduate students; 4,859 part-time undergraduate and 847 part-time graduate students.

**Carleton University  
Enrolment by Type and Sex**





Carleton President William Beckel and Ontario Minister of Colleges and Universities Gregory Sorbara cut the ribbon to open new floor for the School of Computer Science.

## Addition Officially Opened

The addition to Carleton's Herzberg Building, housing the School of Computer Science, was officially opened on October 28.

Ontario Minister of Colleges and Universities Gregory Sorbara and Carleton University President William Beckel officiated at a ribbon-cutting ceremony attended by 50 invited guests.

In his remarks, Dr. Beckel said "Today we open new facilities which will mean that the School will be better able to teach students, and the faculty will be better able to conduct their research in a field which means a great deal to the community this University serves.

"It is a happy occasion because it is a time when, upon reflection, it shows the dynamics and adaptability of the University, and it shows its responsiveness to changing times."

The occasion marked Mr. Sorbara's first visit to Carleton, and left him with an obviously positive impression.

He described Carleton as a "vital and creative place with a magnificent vision and plan for the future."

Speaking of the new floor, he commented "We must keep on making advances in just this way if the Province of Ontario is to continue to grow.

"Our challenges will be greater than ever before."

The Herzberg Building, which is also

home to Carleton's Department of Physics, was constructed in 1966. It consists of three separate wings — one each for laboratories, classrooms, and offices — joined by a central tower. The complex was originally designed to accommodate vertical expansion and variations in floor-loading capacities and air-conditioning requirements.

The building is named in honour of Gerhard Herzberg, internationally renowned physicist and astronomer. Dr. Herzberg received the 1971 Nobel Prize in Chemistry, and served as Chancellor of the University from 1973 to 1980.

The new floor provides 7,500 square feet of additional space for the School of Computer Science (which also occupies a fourth floor of the building).

The School was established in 1980 and offers a four-year program leading to a Bachelor of Computer Science degree. In 1982, it became one of several academic units at the University to participate in a new program of graduate study and research leading to a Master of Computer Science degree offered jointly with the University of Ottawa.

The construction of the new floor for the School in the Herzberg Building was made possible through a \$1.2 million grant from the provincial government. The grant covered 75 percent of the construction costs.

## Centre Publishes First Book

*The History of Emily Montague*, written by Frances Brooke in the late 1760s, has been re-issued in a scholarly edition by the Carleton University Press.

The book is the first of a series of early English-Canadian prose works to be prepared by Carleton's Centre for Editing Early Canadian Texts (CEECT). The general editor of this edition is Professor of English, Mary Jane Edwards, who also heads the CEECT project.

Recognized as the first Canadian novel, *The History of Emily Montague* reflects much that was typical in 18th century life and literature, says Professor Edwards.

"Frances Brooke had a talent for using fiction to describe and interpret with accuracy and acumen the new subject of life in the British province of Quebec."

Professor Edwards' work on the novel began in England in 1975. Originally funded by the Canada Council, her research subsequently received support from Carleton University and the Social Sciences and Humanities Research Council, when CEECT was established in 1981.

More early Canadian prose works are being prepared for publication in the Centre.



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# Campus Notes

## Fall Convocation

Carleton awarded honorary degrees to two distinguished Canadians at its 83rd Convocation, held November 3, 1985. Dr. Saran Narang, Principal Research Officer, Division of Biological Sciences, National Research Council, was awarded a Doctor of Science *honoris causa* in recognition of his research in the field of genetic engineering. Jean-Luc Pepin, Professor of Political Science at the University of Ottawa and former Minister of State for External Affairs, was awarded a Doctor of Laws *honoris causa* in recognition of his work in Canadian federalism. Almost 600 students were graduated from the University this fall.

## Teaching Awards

Three teaching awards were presented in the Faculty of Arts this fall. Recipients were: Carter Elwood (history); Terry Robinson (classics); and Roger Bird (journalism).

## CBC Donates Collection

About 3,500 books, journals and documents were donated to Carleton this fall by the CBC Head Office Research Library. The collection is housed in the St. Patrick's Building Resource Centre, near the School of Journalism.

## Equipment for Disabled Students

Funds donated by Carleton staff have been used to purchase equipment for disabled students. Among the items purchased are: a Visualtek large print reader for the visually impaired; two Phonic Ear 7M systems for the hearing impaired; and a computer terminal with a synthesized voice capacity for the blind.

## Campaign Planning Continues

A feasibility study assessing the potential for corporate and private response



This fall, GENDIS Corp. and the Secretary of State donated \$127,000 worth of studio equipment to the University used in broadcast television courses by journalism and continuing education students. In this photo, Robert Lacroix (instructional aids) and Ron Thibault of Ottawa's CJOH-TV discuss the merits of the equipment.

to a capital campaign was completed this fall. The University's Board of Governors has established an ad hoc committee to review the feasibility of a campaign, and will be making its recommendations to the Board later this winter. The University is developing plans for new buildings to support engineering, arts, and science programs, as well as for the Library.

## Pollsters Write Book

Professors Alan Frizzell and Anthony Westell, co-directors of the Carleton Journalism Poll, are the authors of *The Canadian General Election of 1984: Politicians, Parties, Press and Polls*, recently published by the Carleton University Press. The book is intended as the first in a series which they hope to publish after every election "to present in concise and readable form a record of the election and an analysis of the results."

## New Exchange Agreement

An exchange agreement between Carleton University and L'Université de Picardie in Amiens, France, was signed this fall. The agreement is between Carleton's Research Group for Textual Analysis, Discourse and Culture (Group TADAC) and the Centre d'Etudes du Roman et du Romanesque in Amiens. It is intended to promote research cooperation between the two centres, as well as to facilitate the interchange of academic staff and qualified graduate students in the humanities and social sciences. The Group TADAC was formed in 1984 by professors in Comparative Literature and French, and is now an organized research unit of the Faculty of Graduate Studies and Research.

## Graduate Essays Published

The ninth in a series of graduate student essays has been published by the Department of Political Science. Entitled *The Making of the Federal Access Act: A Case Study of Policy-making in Canada*, the book is a compilation of five essays by students, Patrick Gibson, Darrell Bricker, Rosemary Knes, S.J. Brand, and Thomas Babcock. The series' editor is Professor Don Rowat.

## First Students Register

This fall, 22 students began studies in the new Development Administration specialization offered by Carleton's School of Public Administration in cooperation with the School of International Affairs. The new program is funded by grants from the Canadian International Development Agency and the Donner Canadian Foundation, totalling approximately \$1.5 million. The program is intended to prepare students for managerial and policy support roles and to accelerate and enrich the education of those already performing those roles.

# HONORARY DEGREES

The Senate Honorary Degrees Committee is inviting nominations for the award of honorary degrees at the 1986 and subsequent Convocations.

The following information about each nominee should be provided: a) Name in full; b) Permanent address; c) A brief biographical outline on the nominee, including education, employment, and accomplishments of note. Each nomination should be accompanied by a statement (200 words maximum) giving the reasons for recommending the award of an honorary degree.

Nominations must be submitted to reach the Committee by Friday, 10 January 1986. Mail to: The Clerk of Senate, Secretary, Honorary Degrees Committee, Room 607, Administration Building, Carleton University, Ottawa, Ont. K1S 5B6.

# Chair Recognizes Excellence

A new Chair in Women's Studies, held jointly by Carleton University and the University of Ottawa, has given added impetus to initiatives by the two universities to become a leading centre for women's studies in Canada.

Funded by a half-million dollar endowment from the federal Department of the Secretary of State, the chair is one of five that have been established at universities across Canada. But Carleton and the University of Ottawa have gone one step further by contributing an additional \$125,000 each to raise the endowment to \$750,000.

They're hoping that the endowment and prestige of the Chair will attract a senior scholar, particularly with experience in the areas of science and technology, health-related, or law and social policy fields. Initially, the term of the post will be for two to five years, starting in the fall of 1986. The task facing the professor will be to promote interdisciplinary studies, curriculum development, and research in women's studies at the two universities.

Carleton's Graduate Co-ordinator in Women's Studies, Jill Vickers, developed the proposal for the chair with Susan

Mann Trofimenkoff, now Vice-Rector (Academic) at the University of Ottawa. The Chair was awarded to the Ottawa universities over applications from other universities in the province.

Professor Vickers says that the chair "recognizes the two universities jointly as leaders in the field in Ontario, and as a centre for future growth."

She says that women's studies at Carleton has developed at the graduate level through the Institute of Canadian Studies, and at the undergraduate level through a directed interdisciplinary studies program. The University of Ottawa has an undergraduate degree program in Women's Studies.

"Close to 100 scholars at the two universities are spending at least part of their time on women's studies," she says.

Defining the subject as "women-centred knowledge," she says it has been the focus of an explosion of research over the past 10 years.

"It deals with fundamental questions," she says. "Why have women been assigned to the private and excluded from the public world? Why are women rarely assigned political leadership? Why do men use

pornography? Why is most family violence men against women?

"By no means are all the questions exclusively about women, but they are women-centred; the agenda comes out of the analysis of women's experiences."

The Universities have increased the endowment for the chair to help attract a senior person to the post. "We're the new girls on the block," Professor Vickers comments. "It's important to have senior, well-respected scholars who are able to assist in curriculum development."

She says the universities have given top priority to someone from the field of science and technology, a field that has been well-researched in the United States but not in Canada.

A joint committee of three people from each university was established to administer the chair and identify areas where there is a need on both campuses that is compatible.

"We would like the jointness of the Chair to assist us in better, closer and more on-going co-operation between the programs on both campuses," says Professor Vickers.

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## Arts Enters Computer Age

Carleton's Faculty of Arts is starting down the road to bringing computers into the classroom.

A microcomputer network, aimed at introducing students and faculty to computers, is being installed this winter, with \$50,000 from an Ontario government grant program that assists universities in purchasing equipment for undergraduate instruction.

English professor Bob Laird heads the Faculty's Computer Advisory Committee.

He says of 12 microcomputers initially being purchased, two will be used in the language labs for the development of language instruction software; two will go to the Writing Tutorial Service to assist in the development of writing skills; and the remainder will be put in one room in the Arts Tower to be used for group instruction.

"It's important for faculty to know how to incorporate microcomputers in their instructional programs," he says.

"The centre will be used part of the time to give demonstrations on what can be done, and the rest of the time will be available to undergraduate students who know how to use them."

Ultimately, he says, he hopes it will lead to the development of a good-sized computer network, with faculty developing their own software to use in the classroom.

The use of computers in the humanities is not as radical as it might seem at first.

In history, for example, there's a specialization that uses computers to analyze mass social change, such as birth, death, and marriage rates.

"The computers help scholars to get the data they're interested in," says Professor Laird. "But the conclusions they reach from that data — that's the humanistic element to their work."

The biggest immediate need he sees is for wordprocessing, the development of data bases for bibliographies, telecommunications especially to other libraries, and electronic publishing.

"A lot of things we currently do can be done faster," he says. "The humanist scholar doesn't benefit by waiting six weeks for an interlibrary loan if it can be obtained much faster by computer."

A fair amount of software for the humanities has been developed in the United States and can be adapted to the Canadian context. Professor Laird notes that some universities in the U.S., such as Carnegie-Mellon, even require their undergraduates to purchase computers.

"I can't see that happening here," he says, "but relative to other universities in Ontario, we're near the top."



*Weekly seminar in the Centre for Communication, Culture and Society:*

## New Centre Meets Need

A new Centre for Communication, Culture and Society at Carleton is off to an impressive start.

Established barely six months ago, the Centre has already completed \$50,000 worth of research projects, and has produced its first publication.

It's a tremendous achievement, says Professor Peter A. Bruck, who heads the Centre.

"Normally it takes anywhere from 12 to 18 months to develop a proposal and get a contract approved. Yet, we expect that before our first year is up, we will have attracted more than \$100,000 in outside research grants."

Aside from a lot of long hours and hard work, he attributes the success of the Centre to its unique structure and the fact that it meets a real need in Canada.

The Centre is an interfaculty organization, with 15 members from seven departments, including social work, film studies, music, sociology and anthropoplogy and English, as well as journalism and mass communications.

"We're unique because, while departments of communication exist at a number of other universities, there's no research centre of this kind at all," says Professor Bruck.

"Yet, there has been a strong feeling, especially in the policy community, that the debate on communication and cultural issues in Canada is underdeveloped in terms of the resources which are needed for on-going, detailed, well-grounded discussion."

Carleton's response to this need is "very much in the tradition of the University," he says.

"We've picked up on a relatively new area, and by pooling our existing

strengths, have come up with something very productive."

There are two main objectives to the Centre, he says. One is to provide institutional space for more focused research on cultural issues; the other is to provide a point of reference at the University for outside agencies, organizations and groups interested in research about Canada's cultural industries.

"We're trying to strengthen the academic work being done at Carleton, as well as to make that expertise available to people outside the University," says Professor Bruck.

In meeting these two objectives, the Centre has come up with an innovative approach that draws upon the diverse backgrounds of its members.

"Our special characteristic is the collaborative emphasis we place on our work" he says. "It's the very reason for our existence."

Members meet as a group once a week to discuss problems and topics raised by their research, and work together on research contracts.

This same collaborative approach is also applied to its publication program.

Discussion papers are circulated to at least five people with varying backgrounds and views, then published complete with the commentary and reaction to it.

The first paper published this way deals with the topic of the news media and terrorism.

"The assault on the Turkish embassy in Ottawa, and the bomb threat in the Toronto subway strongly focused Canadian debate on this subject," says Professor Bruck.

"At the time, a visiting professor was here from Israel, who had published a lot



## Art History Grad To Lecture Here

"History in Architecture" is the theme of a major lecture series being organized by Carleton's Art History Department, January 22-29, 1986.

The series features one of the department's own graduates, Christopher Riopelle (BA/73), and promises to be an intriguing look at how historical references are and have been used in architecture.

Organized by Art History Professor Clifford Brown, the series is part of the department's on-going commitment to have alumni back to give lectures and seminars.

"What makes this series special," says Professor Brown, "is that for the first time we're collaborating with the School of Architecture and have the added backing of the Dean of Arts."

Now on the staff of the Fine Arts Department of New York University's Washington Square College, Mr. Riopelle received his MA from the University of Toronto, and studied for his PhD at NYU's Institute of Fine Arts. He spent two years in Paris, France, as a Mellon Fellow, and was on the staff of the American University in Paris.

The idea for this series arose last year, when a group of art history students visited New York.

"We arranged for Chris to give us a walking tour of Manhattan," says Professor Brown. "It was so fabulous, we decided to arrange this series."

The first lecture will be presented on January 22 at 6:30 p.m. in the Pit of the Architecture Building. It is titled, "Germain Boffrand's Hôpital des Enfants Trouvées, c. 1750: Jansenism, Theatre, and Urban Politics in 18th-Century Paris."

The planning of the Foundling Children's Hospital is an interesting case study in architectural and urban politics. Using newly-discovered archival documents, Mr. Riopelle will indicate how these factors can be "read" in the building.

The second lecture, entitled "Changing Perceptions of Neo-Classicism," will be presented on Monday, January 27, at 8:00 p.m. in the Faculty Lounge, 20th floor, Arts Tower.

Mr. Riopelle will trace recent developments in the understanding of architectural neo-classicism and suggest kinds of problems that remain to be studied.

The third lecture, titled "Some thoughts on Contemporary Canadian Architecture" will be presented on Wednesday, January 29, at 6:30 p.m., also in the Pit, Architecture Building.

In this lecture, Mr. Riopelle will deal with the conditions of architectural practice in Canada now, and on what seem to be the major tendencies among younger Canadian architects.



Carleton researchers answer questions for and about Canada's cultural industries.

performance programming in English and French;

- The effects of "Thompsonization" on Canadian newspapers;
- The music industry, and the decision-making process whereby the industry matches its production with audience preferences;
- The media's role in disarmament, peace and security issues;
- The cultural significance of computer networks and billboarding.

The Centre is also on the expert list of the Department of Communications for matters relating to free trade and cultural issues, says Professor Bruck.

Other activities of the Centre include the preparation and publication of research bibliographies to provide a tool and a guide for people regarding cultural issues of current debate.

And the first in a book series — *A Reader in Cultural Studies* — is also in the works to present Canadian scholarship in the area of cultural studies for teaching senior undergraduate students.

Ultimately, Professor Bruck says he would like the Centre to have more of a role in the policy-oriented decision process.

"I'm not predicting we could change Joe Clark's position with respect to free trade and Canada's cultural industries," he says, "but I am sure that the Centre has the ability and the resources to make a significant contribution in this important debate."

"Collaboration is the essence of our existence," in the area of media and terrorism and who had a very pronounced view."

The publication includes the original paper and commentaries, as well as transcripts from CBC debates going back to the October crisis of 1970, and reproductions of coverage given by Toronto newspapers to terrorism.

"It's the first Canadian resource on this important issue," says Professor Bruck.

Topics the Centre has examined through research contracts include:

- Regionalism and broadcasting;
- Inventory and analysis of Canadian



## Competition Comes To Carleton

The annual Ontario Engineering Design Competition is coming to Carleton University, February 28 to March 2, 1986.

Completely organized by engineering students, the competition has been held since 1980 to promote excellence in engineering design and competition.

A 12-member committee, headed by student Chris Green, is organizing the program at Carleton.

The competition is open to undergraduate engineering students enrolled at Ontario universities.

- The entrepreneurial design category offers students an opportunity to exhibit their design of a new marketable product or process not currently originating in Canada.

- The corporate design category involves developing a solution to one of a group of design problems submitted by sponsoring companies.

- The explanatory and editorial communications categories provide students with the opportunity either to explain objectively or to express their own opinions on a technical issue with social significance.

Carleton student Chantal Cloutier, who is organizing public relations for the competition, says the event provides an opportunity for students to meet each other, as well as representatives from companies who hire engineering graduates.

It's an opportunity for the students to show their best, and to gain national exposure for their efforts, she says. Winners of the competition go on to represent the province in a Canada-wide competition.

Last year, Carleton students entered the competition for the first time, winning first prize in the editorial communications category, and second prize in the entrepreneurial design category.

Exhibits in the competition will be on display and open to the public in Carleton's Porter Hall, February 28 to March 1.

# Lab Attracts World Interest

When a Lieutenant-General of the Italian army comes to Carleton for a four-day workshop, you know that something out of the ordinary has attracted his attention.

And when he's joined by more than 30 top engineers from North America, Europe and Africa, you know that it must be pretty impressive.

The workshop that brought all of them to the University this summer was just that. Though its title was unassuming enough — Terrain Systems Vehicle Analysis — the workshop has focused international attention on the quality of engineering research undertaken through Carleton's Transportation Technology Laboratory.

Headed by mechanical engineering professor J.Y. Wong, the Laboratory has made great inroads into the highly specialized field of off-road transportation technology.

"We're unique and leading the field," says Professor Wong. "Nobody has done what we have."

Although still less than 10 years old, the Laboratory has completed an impressive array of research projects, covering everything from air cushion technology, to breaking and handling of heavy commercial vehicles.

But its major achievement to date has been the development of a computer simulation model for predicting the performance of tracked vehicles in off-road situations.

Undertaken for Canada's Department of National Defence, the project has attracted the interest of resource industries such as oil and gas exploration, forestry, and mining, says Professor Wong.

Though off-road vehicles have been used by the military and private companies for more than 100 years, he says work had never been done to develop a model that would assist engineers in improving their designs.

"There was a complete absence of detailed, analytical models to help engineers design vehicles to meet specific environmental requirements," he says.

The Department of National Defence became interested in the subject and awarded a contract worth almost half a million dollars to the Laboratory to develop design models.

"We looked at the problem from the ground up," says Professor Wong.

The researchers in the Laboratory started by developing instrumentation to measure the mechanical properties of the ground.

"If you want to design a vehicle for deep snow, first you need to know how heavy

a vehicle the snow will support," explains Professor Wong. "We started with the basic problem of measuring terrain characteristics, load-bearing capacity, and so on."

To do this, the engineers developed a new computer system at Carleton, and then mounted the computer inside a vehicle which they used for the actual field work.

"The measurements we took were fed into our system, which gave us the parameters of the terrain," says Professor Wong.

"We introduced high technology to the study to make the operation more efficient.



This vehicle housed a complex computer system

"Then we came back to Carleton to develop mathematical models and detailed analysis of the vehicle-terrain interaction."

With the model, he says, it's now possible to predict the performance of different kinds of tracked vehicles in different environments.

Though this study has been completed, work in the Laboratory goes on.

The researchers are now working on a computer simulation program to evaluate the stability of heavy highway vehicles of different dimensions and weights.

Sponsored by the Roads and Transportation Association of Canada, this project is part of a study aimed at determining whether a standardized code can be developed for trucks operating across Canada. Currently, each province sets its own regulations, causing difficulties for companies that ship across the country.

Professor Wong teaches two under-

graduate courses in transportation technology, and hints that students in fourth year mechanical engineering are working on a design for the Shell Canada Fuelathon Competition.

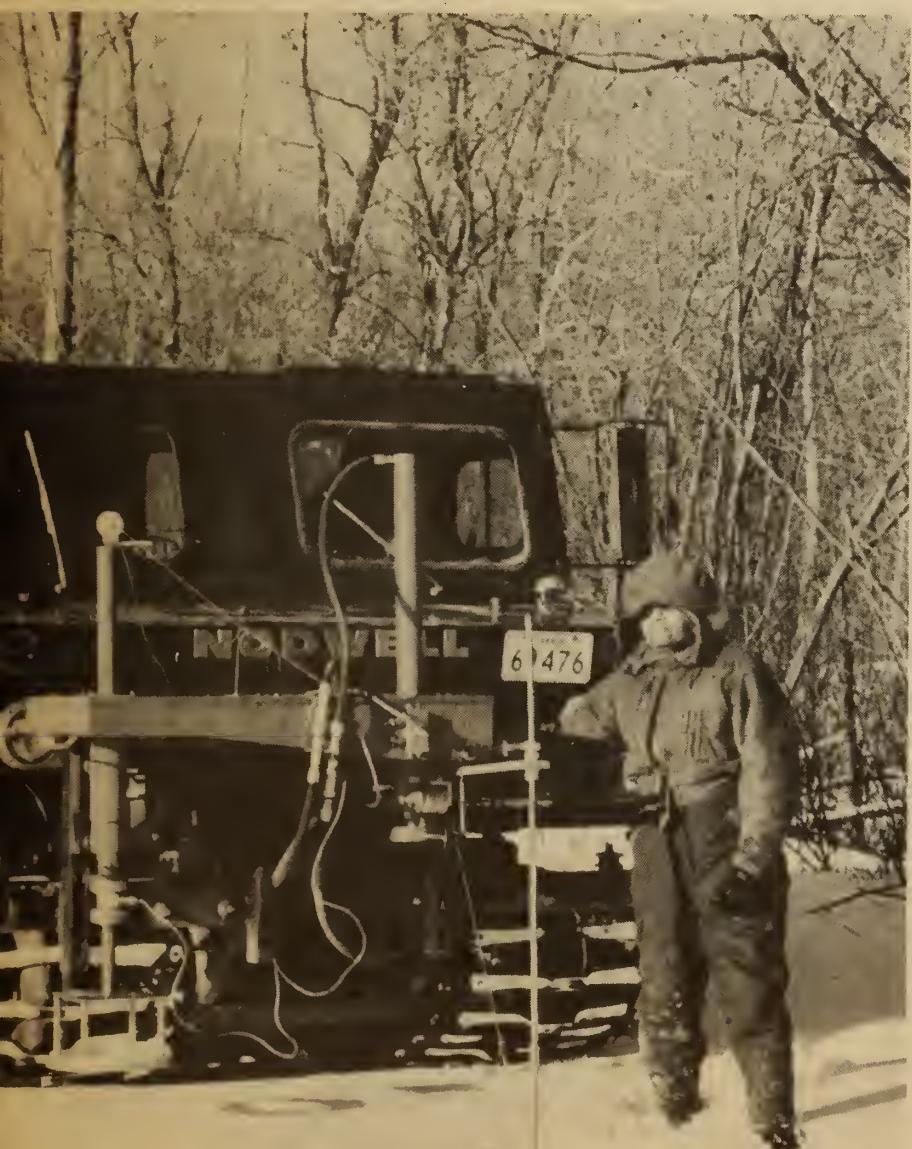
With more than 50 publications to his credit, he continues to make the research findings of the Laboratory widely known through engineering journals and conference proceedings.

He's been invited to Sweden twice, has lectured in Spain and Italy, and continues to be invited around the world to present his work.

And he plans to continue offering workshops and seminars right at Carleton.

"We've done our work in the field," he says.

"Now we want to make that information more accessible to practising engineers, to help them solve the problems they're facing."



developed at Carleton to measure ground characteristics: "Nobody has done what we have."

## Alumni Survey Has Impact

A survey of Carleton engineering alumni, undertaken over the spring and summer, has already had an impact on Carleton's engineering curriculum.

In the survey, alumni were asked to rate Carleton's program relative to other universities, and to express their opinion about Carleton's "common-core" curriculum as well as what, if any, changes they thought should be made to complementary studies in the program.

More than 550, or 32 percent of the 1,600 alumni surveyed replied.

The program received a high rating from the graduates, indicating strong support for the quality of their education at Carleton. More than 35 percent rated it as superior to other programs, and 53 percent rated it as comparable.

Carleton is unique in having a program where students take a common program for two and a half years before they specialize in any one area of engineering.

Among alumni who replied to the survey, 60 percent endorsed this approach.

Two new areas for complementary study were highly recommended by the alumni: report preparation and writing (52 percent) and management (42 percent).

As a direct result of the survey, a proposal has been prepared for the University Senate to include a course in report writing in Engineering starting in the fall of 1986.

"It probably wouldn't have happened at this time if it hadn't been for the survey," says Assistant Dean of Engineering Gordon Forth, who was responsible for administering it.

The survey is being closely studied by the Faculty's Curriculum Committee, which is charged with reviewing the nature of the curriculum, including the content and length of the common core. It is one of several factors entering into discussions concerning the number of years that should apply to the common core in the future.

While those who replied to the survey largely supported the common core program as it now stands, there were some differences based on year of graduation and program of study.

Those who graduated 20 years ago or more were most supportive (71 percent in favour), while those who graduated within the last five years were more evenly divided (47 percent for a 2.5 year common core; 33 percent for a two-year one).

Graduates from mechanical engineering were most supportive of the common core (81 percent). But as well, the majority of civil and electrical engineering graduates (about 57 percent each) expressed a preference for the two-and-a-half-year common core.

# Discoveries in Galapagos

Stewart Peck's idea of Heaven-on-earth probably wouldn't appeal to most people.

But for two months this summer, the Carleton entomologist/evolutionary biologist was in paradise backpacking over rocky, rough terrain, through jungles, and crawling into dark caves doing what he loves most: collecting and identifying insects.

His interest in entomology has taken him around the world over the past 25 years, but what made this trip special was its location: the Galapagos Islands.

"Every evolutionary biologist knows about the Galapagos, where Charles Darwin developed his concept of evolution by natural selection," he says.

"Being there was a real spiritual high for me. The heritage and history of the islands are overpowering."

In an island that is already steeped in an international aura of scientific legend, Professor Peck and his wife Jarmila

Kukalova-Peck have established their own niche.

In the two months they were there, they identified 100 new species of insects on the islands. Their findings increased the number of known insects in the Galapagos by more than 10 percent, since only 900 insects had been identified on all previous expeditions.

It's no small measure of their accomplishment that they've been invited back to teach a course on insect ecology at the Charles Darwin Research Foundation, located in the Galapagos.

"What we found was astounding," says Professor Peck, "far richer than anything we would have predicted."

A specialist in cave-dwelling insects, he found 50 new species of insects, some without eyes, living in caves, and another 50 species living outside of the caves.

"We found things outside of the normal stream — blind crickets, roaches and ear-

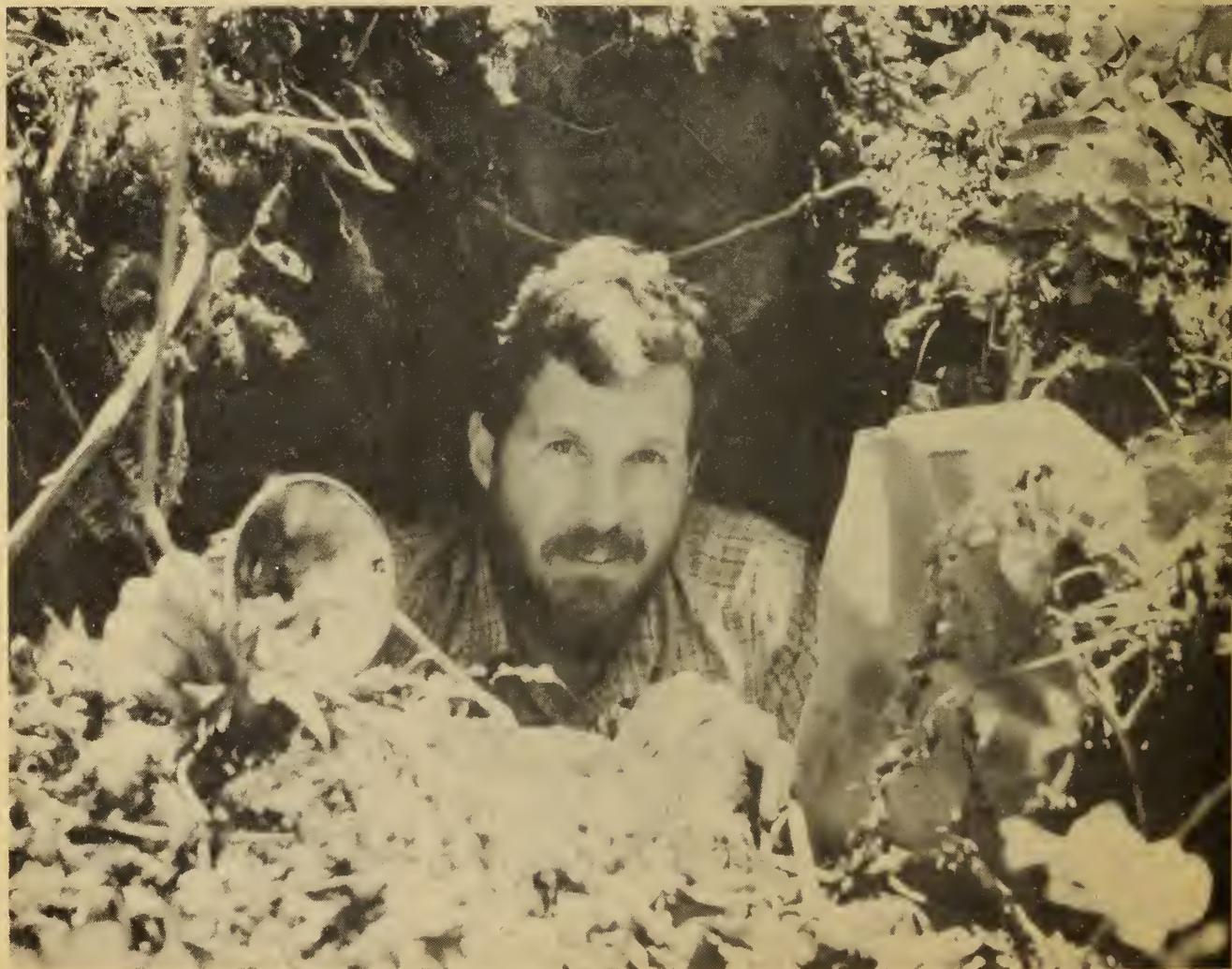
wigs: insects that are very rare to find anywhere else," he says.

Professor Peck describes the implications of the discovery within the context of what happens on the continents, where most caves are found in limestone and were formed millions of years ago.

"We normally think that insects in caves have an ancestry of more than one million years," he explains. "Many cave-dwelling insects survive after their surface ancestors become extinct."

"Typically, insects living in caves lose their eyes and pigment, while their antenna and appendages grow longer. Why this happens is still open for debate, but it has been observed many times."

The Galapagos caves differ from ones on the continent because they are formed in lava and are probably no more than 25,000 years old. Professor Peck's exploration of them was prompted when biologists in Hawaii discovered cave-dwelling



*Stewart Peck emerging from Galapagos cave: "Astounding finds."*

insects in the lava caves there.

His findings reinforce the Hawaiian discoveries, he says.

They show that the insects are very quickly able to penetrate a new environment and adapt to it. "There's been an explosive development of many new species," he says.

"How and why it happens . . . that's getting at the nub of the mechanics of evolution."

He suggests competition and genetics are big factors in the process.

"When an insect gets to the island, the pregnant female may be the only one to arrive," he explains. "Because of the small numbers, unusual genetic combinations may result. Competition limits opportunities for some and opens up opportunities for others."

He says his personal research goal is to understand insects and their evolution from a global perspective. In this, he's aided by his wife, who specializes in the study of fossil insects.

At times, he's collected more than one million insects on his expeditions, and says new methods and technology account for his success.

Whereas entomologists beat bushes or used a combination of lights and nets at night to trap insects, he has designed special traps to attract and collect insects in caves and soil.

He concedes it's not the most glamorous of jobs.

"Most people deal with the vertebrates because they're big and supposedly exciting," he says. (But he asserts that most people would find insects more exciting and challenging to study if they were introduced to the subject properly.)

"I have to sit back and ask what is a university, what is science. It's nice to learn what others have already known, but it's even nicer when you find something no one has found before."

Getting to the Galapagos was a significant achievement for him. Research proposals have to be approved by the Ecuadorian Park Service and the Charles Darwin Research Foundation, a body of scientists from around the world.

Most of his research is funded by Canada's Natural Science and Engineering Research Council. When he goes to other countries, however, the host governments also contribute to the work.

Now, he's writing about his findings, "trying to synthesize our knowledge into an understanding of the evolution of the community."

The questions that he's focusing on won't be quickly answered. What is the fauna? How did it get the way it is? What does it mean to the principles of evolution, ecology and distribution?

"It's a world process with world principles," he says. "That's why it's important to study in more countries than Canada alone."



*Belcher Island, Hudson Bay, photographed from space.*

## Course Helps Astronauts

A crash course taken at Carleton University this summer by Canada's astronauts has been a big hit.

Consisting of five half-day sessions, the course was an intensive "specially concocted" version of Geology 100, organized by geology professor Al Donaldson, in collaboration with Richard Grieve and other scientists from the federal government.

Other Carleton geology professors who contributed to the course were Dick Brown, Fred Michel, George Skippen, and Giorgio Ranalli.

"The aim of the course was to give the astronauts a broader understanding of geology so they can better interpret what they see from space, particularly to help them recognize specific geological features they want to photograph," explained Professor Donaldson.

The need for the course became apparent after Marc Garneau's historic flight as Canada's first man in space.

Michael Dence, Director of the Division of Gravity, Geothermics and Geodynamics at Energy, Mines and Resources Canada, was one of the government scientists involved in organizing the course.

He explained that the angle of the incline flown by the shuttle made it difficult for Garneau to pinpoint what he was seeing from space.

"One of the experiments was to take measurements of parts of the prairies, but he had trouble deciding when he was over the right spot in Saskatchewan as opposed to being over the prairies in Alberta," said Dr. Dence.

In addition to the seminars, the course featured two flights over Ontario in an

airplane used for high altitude remote sensing. An added bonus, taken up by three of the astronauts, was an invitation to attend the department's annual field camp in Cobalt, Ontario.

The course was "extremely valuable," said Bob Thirsk, one of the astronauts who participated.

"It's given us an overview of Canadian geology in general, and helped us to become more familiar with the different features of the world."

Parvas Kumar, from the Space Technology Program Office of the National Research Council, says he hopes the course will lead to the establishment of an educational data base for training future astronauts.

It's also likely that updated versions will be offered the next time a Canadian astronaut is selected for a flight in space. The purpose of such a "refresher" course would be to focus specifically on areas that can be seen from the planned flight path.

Dr. Kumar points out this can be as important to the geologists on earth as it is to the astronauts in space.

"It's an opportunity for geologists to pinpoint areas of Canada and the world that they're interested in, so that the astronauts can photograph them from space," he says.

Professor Donaldson hasn't overlooked this prospect either.

"Photos from space are remarkably sharp, clear and geologically useful," he says. "With the prospect of a polar orbit (north-south instead of east-west), the astronauts will be able to take photos of Canada from space that have never before been possible."

## Economic Study Sheds New Light

Carleton economist Richard Brecher is part of an international team of economists who are developing new insights into how transfer payments work.

The assumption that the recipient always gains and the donor always loses is not necessarily true, says Professor Brecher.

"Countries may be hurt economically even when they are receiving transfer payments," he says. "At the same time, the welfare of the donor country may increase as a result of making the transfer."

Here's how he explains one example of this paradox.

"We can imagine that the country that receives the transfer has to worry about how to distribute the funds once it's known the revenue will be available.

"It's reasonable to expect that lobby groups will form to have the revenue distributed in their favour. Since they are non-productive activities, as their lobby efforts increase, they become a cost to the economy.

"It may turn out that less is spent on directly productive activities and this could be a large enough source of loss that it could theoretically outweigh the advantage of the transfer."

Professor Brecher has been working on the subject for the past several years with noted international economists, Jagdish Bhagwati and Tatuso Hatta. Together, they've published papers on their findings in scholarly journals, and are now working on a book.

Although now largely applicable in terms of aid to developing nations, the problem first caught the interest of economists after the first World War, when they began to study the effects of war reparations.

What they found was that a country receiving funds could, in principle, actually end up worse off if it was spending most of the revenue for imported goods that consequently pushed up in price, says Professor Brecher.

"By 1936, economists suggested that this secondary burden could be so great for a recipient that the recipient's welfare would decline, while, paradoxically, the donor's welfare should increase."

Until recently, economists have thought this would only occur in a market situation that was unstable. However, Professor Brecher and his colleagues have found that this can also happen in a stable market.

Their work is entirely theoretical, but as Professor Brecher points out, "What we found is that things don't always turn out theoretically the way we assume they will.



Peter Brissett, as a student researcher on climatic change project: "Tremendous forces at work in the permafrost environment."

## Climatic Change Coming

Researchers at Carleton University are gathering data about one of the potentially most significant global phenomena of our time: climatic warming.

In a study headed by geographer, Michael Smith, they're analyzing the impact of climatic warming on permafrost — a process that could eventually result in large tracts of land in northern Canada literally melting away.

The implications are important for future development in the north, which is once more the focus of national interest for strategic and economic reasons.

"Most people building a structure on permafrost base their designs on the assumption that the area is in a state of thermal equilibrium, or minimal environmental change," says Professor Smith.

"But this may not be the case. Large areas could become destabilized by climatic warming. In making thermal calculations for structures, engineers and designers may have to take into account what conditions will be like, and make appropriate design changes."

For the past four years, he has been involved in a study of permafrost features around Mayo, Yukon, where forest fires 100 years ago provide him with an analogue to assess the impact that warming has on permafrost over time.

He'll be in Toronto this Spring to

discuss his findings at a workshop of the Canadian Atmospheric Environment Service. The purpose of the workshop is to develop strategies for coping with the effects of climatic warming.

Professor Smith says there is no longer any doubt that the earth's climate is getting warmer as a result of carbon dioxide pollution. The key questions facing scientists today, he says, are the rate of the changes and their potential significance to the environment.

In this, there are really two questions to look at, he says. First, what is the primary effect on the environment of climatic warming: the nature, rate and magnitude of change? And second, what impact will these changes have on social and economic systems?

Answers, even to the first question, are not easy to come by because changes are always occurring in natural systems, and because the interplay of climate, vegetation and other factors are important to the outcome, says Professor Smith.

Scientists are convinced that, by the end of this century, we'll see a trend to warmer temperatures, but do not agree on the rate of change.

"Most agree that warming is proceeding at a fast, rather than a slow rate," he adds.

The question is a significant one for Canadians, because the effects of warm-

ing are concentrated in the polar regions of the earth.

"A world-wide warming trend of one or two degrees celsius, would result in a temperature increase of seven to ten degrees celsius in the north," he says. "That's a substantial change."

His work now is aimed at getting a better understanding of the rate of change. Through a network of stations he's set up in the Yukon, he's having measurements taken over the next 10 to 20 years to assess what's happening to the permafrost.

"The idea is to monitor these stations on a monthly basis and simply accumulate records of what's happening," he says.

"We'll use the summertime as a small analogue to see what happens as the site warms up in summer."

Some of the findings so far include:

- the boreal forest which covers the region provides an excellent buffer, which reduces the effects of warming on the permafrost;
- contrary to most preconceptions, permafrost is not like rock but rather is more like glacial ice. It deforms in much the same way that glacial ice does;
- the chemistry of the ice can be analyzed to provide clues as to how old it is, how it was formed, and how it got there.

While the results of this work are ultimately 20 years away, Professor Smith says that history has some clues as to what the future may hold.

"Between 5,000 and 6,000 years ago, the Canadian climate was the warmest it has been since the last Ice Age," he explains.

"By examining pollen which accumulated in bogs of the era, scientists are able to get a pretty good idea of what vegetation and climate were like then.

"We know that most of the southern parts of Canada were warmer, but much drier, while the northern regions were milder."

Scientists can't say for sure whether drier conditions now being experienced on the prairies have been brought about by climatic warming, but Professor Smith comments it could be a sign of things to come.

"Although we may lose farmland in the south, this could be offset by gaining new farmland further north," he says. "But for individual farmers and communities, there could be a tremendous amount of social trauma."

Helping Professor Smith with his research are seven students, from the undergraduate to the doctoral level. One student, Chris Burn, earned his MA in connection with the research, and is now continuing with his studies at the doctoral level.

"I'm a big believer in trying to tie studies into actual research," he says. "Things need doing, but more important, it helps students to make the transition from academic theory to reality."

# Warsaw Pact Reviewed

Carleton political scientist Teresa Rakowska-Harmstone is putting the final touches to an analysis of the Warsaw Pact alliance that challenges some commonly held assumptions about the Pact.

Undertaken for the Department of National Defence, with additional funding from the Social Sciences and Humanities Research Council, her four-year study contends that the Warsaw Pact would be much more cohesive in the event of a conflict than Western analysts have previously thought.

The principal investigator for the study, Professor Rakowska-Harmstone explains that Western specialists tend to see East European armies as national armies which are bound in a coalition to form the Warsaw Pact. They maintain that in a conflict these national units would prove unreliable.

But her evidence indicates that for operational purposes the East European armies are fragmented; first-rank units are incorporated into multinational formations, with top command positions in the hands of Soviet officers. Other units lack combat capabilities and organizations.

Therefore, she says, the national armies are deprived of the capability to operate as autonomous national entities, and it is unlikely that their national character could assert itself unless the Warsaw Pact were to suffer reverses in a defensive action and the command structures disintegrated.

Her study was commissioned to evaluate the extent to which the cohesiveness of the Warsaw Pact is affected by national attitudes. Most studies of the Pact deal primarily with military logistics and formal structures and relationships.

Three hefty volumes have already been published, and the fourth is in the final stages of preparation. None of the material used for the study was classified; Professor Rakowska-Harmstone comments, "If you use classified sources, you're not free to discuss the issues.

Through an intensive review of military publications and other original material published in the Soviet Union and East European countries, Professor Rakowska-Harmstone and three other analysts have pieced together an overview of the mechanisms within which the Pact operates, mechanisms which compensate for the national attitudes that are dysfunctional to the Pact's cohesion.

The study covers everything from general Soviet political military doctrine, to the practical application of that doctrine to "coalition warfare" and the administration of armies in the Pact.

Professor Rakowska-Harmstone explains that the Soviet hegemonic role in the Pact is assured by a series of bilateral arrangements that bind Soviet with East European

forces under a multinational umbrella of the Pact's formal institutions.

"All top command posts within the Warsaw Pact are in the hands of Soviet officers," she says. "There are three top ranks in the Soviet Armed Forces which don't even exist in the East European armies."

In addition, she says, advancement to senior ranks in East European armies requires training in Soviet military academies.

"Political control is exercised by political officers deployed all the way down the line," she says.

The political reliability of the forces is further enhanced by a higher ratio of the professional cadre in the East European armies than is customary in conscript-based armies. In elite and first category units, as many as 60 to 70 percent of the personnel are career military men, Professor Rakowska-Harmstone says.

"This professional cadre has a stake in the preservation of the system. Their status, privilege and power are predicated on it."

The use of secret police throughout the Warsaw Pact, co-ordinated by the Soviet KGB, is another mechanism of assuring Soviet control over the armies of other nations, she says.

Finally, she notes that Soviet control is reinforced by a pattern of military exercises which breaks the European armies into regiment and division sized units. These units are then re-assembled into large, multi-national formations for joint manoeuvres.

"Except in the case of Romania which was able to opt out of all except the formal arrangements, there is no evidence at all that these manoeuvres are designed to train armies for the defence of their national territories," says Professor Rakowska-Harmstone.

"This led us to believe the system is actually designed to deprive particular countries of the capacity to defend their national territories alone, or to use their own forces against an invasion from any quarter . . .

"The main function of the national armed forces is to defend socialism . . . that is, to defend the communist system both from internal and external enemies."

The sequence of three invasions illustrates the progress of Soviet control over the Warsaw Pact armies, she says.

"In 1956, Hungary was invaded by Soviet Armed Forces alone; in 1968, Czechoslovakia was invaded by Warsaw Pact; and most recently in Poland, while 'fraternal' armies were poised on the border, the intervention itself was done by Poland's armed forces, defending Soviet interests rather than Polish ones."

# Culture Reflects University

In buildings throughout the University, there's a world of arts and culture that's thriving almost undetected by the casual observer.

It includes a music production on the ninth floor of the Loeb Building . . . an exhibit of University art in an unobtrusive foyer of Paterson Hall . . . an intimate poetry reading in the Arts Faculty Lounge . . . a casual drama production in the Pit of the Architecture Building . . . and an array of other activities covering the spectrum of visual and performing arts.

The cultural world at Carleton is woven into the fabric of University life in subtle and intricate ways. It transcends departments and faculties, brings professors and students together, and builds bridges between the University and the community.

Last year alone, almost 400 public events were held on the campus. There were so many events, organized by such a wide variety of campus and community groups, that it's hard to get a clear focus on the overall picture, says Josh Beer, the chairman of Carleton's Fine Arts Committee.

Most departments organize their own cultural programs independent of a central co-ordinating body, he says. This decentralized approach is reinforced by the fact that Carleton's fine arts departments are physically isolated from each other: Music on the ninth floor of the Loeb Building; Art History on the 22nd floor of the Arts Tower; Film Studies over on the fourth floor of the St. Patrick's Building.

Moreover, as Dean of Arts Naomi Griffiths explains, the study of the arts at Carleton is in a cultural and aesthetic context, rather than a performance one.

The result has been an intermingling of the study and performance of the arts in a unique blend that is as much a reflection of Carleton's strengths and qualities as are its teaching and research programs.

It shows in departments not normally considered as fine arts. The annual production of Peter Arnott's Marionette Theatre, sponsored by Carleton's Classics Department, has become a popular cultural tradition of the University.

It shows in the widespread participation of people throughout the University in arts and cultural programs. Biologist David Gardner is a highly regarded musician; political scientist V.I. Subramaniam has

played a significant role in bringing Indian performing artists to the University.

And it shows in the people who come to the University — including this year such literary notables as Earle Bernie and Robertson Davies.

The Music Department is possibly the outstanding example of a balanced approach to the study and performance of the arts.

Primarily, the department's interests are with musicology, history and composition, says chairman Bryan Gillingham.

But at the same time, the Department has developed a rich performance tradition that pervades the cultural life of the University.

The department has a strong community-orientation, and welcomes people from throughout the University and the city in its performance groups. Its community outlook is perhaps most evident at Christmas when it sponsors its annual Come Sing Messiah. Several hundred people bring their own scores to join in this event.

With an already impressive collection of Medieval and Renaissance instruments, this year the department seized the opportunity to add to its collection of period instruments while also strengthening its Canadian music interests.

A 100-year-old tracker organ, built in Canada, is the latest acquisition, and was formally inaugurated by Professor David Piper at a Thursday Noon Hour concert this fall.

"Since one of our strengths is Canadian music, the organ fits in beautifully with our program," says Professor Gillingham.

He comments that performance is an important adjunct to the study of music. "You can't learn about music in a really valid way unless you're making music too," he says.

"We're well-balanced and strong. I don't think that's exaggerating the case at all."

At the same time, he adds, the department has reached its limits in academic and cultural programs. "We can't do any more without more space," he says.

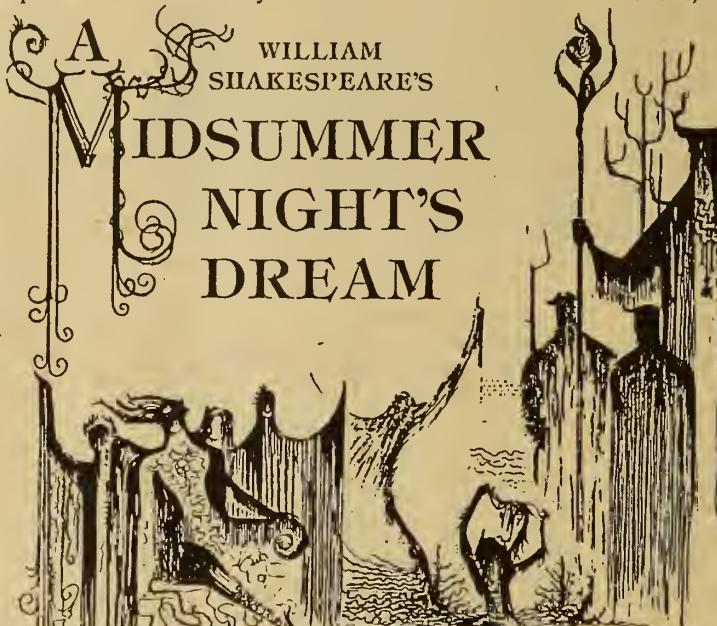
Space is possibly the biggest obstacle confronting the University in its cultural programming, sometimes limiting what can be offered.

The Department of Film Studies, for example, has postponed organizing public film series partly due to inadequate space for public presentations on the campus, says department chairman George McKnight.

He adds that the growth of film organizations, such as the National Film Theatre and the Canadian Film Institute, has led to a greater range of film being shown in the community than was the case when the department was started in the '70s.

"With better facilities, we would be in a position to mount programs in conjunction with these other organizations," he says.

In the meantime, the department is concentrating its efforts on its academic program, which Professor McKnight explains



Poster from a recent collaborative success story at Carleton.

deals primarily with film theory, history and criticism.

The department has increased the number of evening courses it offers, at the first, second and third-year levels.

Since a considerable range of films are shown with the courses ("there's a screening every week"), it provides some opportunity to see film in a critical and cultural context, says Professor McKnight.

In other areas, the University has made gains in the space it can provide to the arts.

The computerization of the MacOdrum Library's catalogues means that space once occupied by cabinets has been turned over for exhibitions.

Ingrid Draayer, the library's exhibit co-ordinator, says the new space has given a big boost to the quality and quantity of exhibitions coming to the University.

Between six and eight exhibitions, each lasting six weeks, are held annually, with smaller exhibitions taking place in between. They've come from the National Archives, the Royal Ontario Museum, and embassies, as well as from University departments.

Coming up this winter are exhibitions of maps on stamps and Halley's Comet. Next fall, Understanding China through Cartoons, a major international exhibit now touring the country, will be at Carleton.

In addition to creating new space, the University has also sought to improve the quality of space it already has available.

This fall, the curtain went up on a renovated Alumni Theatre, which its manager Cedric Broten says is "the best equipped theatre in Ottawa outside of the NAC."

A new curtain, new seats and aisle carpets are among the major changes this year; computerized lighting and state-of-the-art sound equipment have been introduced over the past few years.

At least two major productions are held in the theatre each term, and a number of smaller ones take place in between. During the academic year, it's used primarily by University faculty and student groups; in the summer, community organizations hold performances in it. As well, it is home to one of Canada's oldest student theatre organizations, Sock'n'Buskin.

Even a cursory review of recent performances reveals that a healthy theatre tradition has grown at the University, covering everything from student-written plays, to Shakespeare, to contemporary works.

Doug Campbell, who's been co-ordinator of drama at Carleton for the past 14 years, has seen and been involved in a lot of good theatre at the University.

Among his favourites, he says, is *A Midsummer Night's Dream*, performed in 1980.

"It was a major collaborative success," he recalls. "We had full co-operation between Sock'n'Buskin, the School of Architecture theatre design, the department of music, and talented students and

## A 300-Year-Old Revival

Gian Lorenzo Bernini is famous as a sculptor and architect of 17th Century Italy (the colonnade of St. Peter's Square is one of his designs).

But he also wrote a number of plays, mostly for private performance, and this aspect of his life is gaining new exposure as a result of a unique collaborative project at Carleton University.

*The Impressario*, written by Bernini some 300 years ago, will come to life again in the Pit of the Architecture Building, January 16-18, 1986.

The play's resurrection has involved the combined talents of faculty and students in English, Italian, Music, Architecture and Art History. Here's how it came about.

The play was translated into English for the first time ever by Professors Don Beecher (English) and Massimo Ciavolella (Italian) as part of their Renaissance Plays in Translation series.

Professor Ciavolella says the translation was prompted in part by a Bernini exhibition touring the United States in 1980. Their translation was performed at Princeton in 1981, and subsequently at Fort Worth, Texas.

This fall, the Italian Embassy in Ottawa sponsored a reading of the play, and this version was also presented at the Univer-

people from the community."

This collaborative approach is becoming an important aspect to theatre at Carleton — the latest production to benefit from it is *The Impressario*, being performed this winter (see separate article).

In these and other theatre productions, Professor Campbell describes his role as one of "being aware of what's happening and being able to deal with problems as they arise. When theatre activities are lively and healthy, there's really very little for me to do."

Overall, he says, theatre makes an important contribution to life at Carleton.

"It's one way that culture knows itself," he says.

"This being a community charged with making society's knowledge of itself articulate and conscious, it's appropriate that the University should have a vigorous theatre activity."

The range of productions is extended by visiting artists and performing organizations from the community, who are an important component to the arts program at Carleton.

Everything from cultural productions aimed at a specific audience, to broadly-based major performances are held on the campus.

This fall's highlight was the production of Mozart's *Cosi fan Tutte*, by Ottawa's Opera Lyra.

Produced by Carleton alumna Diana Gilchrist, the opera played to a full house

sity of Toronto in conjunction with a Renaissance conference there.

The School of Architecture became involved at this point through Professor Phillip Sharp's theatre design workshop. (The origins of this workshop date to 1980, when it was first held to design the set for *A Midsummer Night's Dream*.)

The students designed a portable set for the reading and Toronto production, and a more elaborate set for the upcoming winter performance.

The Art History department helped in researching material for the set.

The play will be performed by students in Professor Doug Campbell's drama class.

Music has been composed and will be played by music students at Carleton.

After the Carleton production, the play may go to downtown Ottawa, in conjunction with an exhibition of 17th Century European art coming to the city in the spring.

It would be hard to dispute Professor Sharp's assessment of the production: "It's amazing how wide the net has been cast for this play."

But the last word goes to Professor Campbell: "It's a wonderfully appropriate University activity."

throughout its November engagement.

Ms. Gilchrist says she formed the Opera Lyra company when other opera companies in Ottawa disbanded. It is dedicated to producing operas that are "true to the original intent" of the artist, and don't alienate the audience, she says. The company performs in English to help achieve this goal.

*Cosi fan Tutte* came to Carleton because the Alumni Theatre was the most suitable theatre for such a production in the city, says Ms. Gilchrist. Besides, she added, "the University community was very supportive."

The payoff for the University's support and involvement in the arts can't be measured in dollars and cents. As Professor Beer comments, "The arts bring people onto the campus, they provide a stimulating and exciting environment, and they bring the university into the eye of the community."

Academically, the University is committed to understanding the arts in their social, cultural and aesthetic context. But in achieving this goal, it has created its own brand of cultural programming, enriching the University and the Ottawa community alike.

The challenge facing the University now, says those involved in the arts at Carleton, is to build on this tradition and to raise the profile of the University as a significant cultural resource in the community.



Nancy Gochnauer painting silk scarves.

## Back for More Education

Pamela Sumner, Richard Chmiel and Nancy Gochnauer are three Carleton students who share something else in common: they're already graduates of the University.

In fact, they are among more than 500 alumni taking courses again as "special" students at Carleton — technically, students who are not registered in a degree program but who are taking degree-credit courses.

Special students have been a part of Carleton since the University was founded in 1942, says the Director of the School of Continuing Education, Tom Wilkinson.

Most are also part-time students, but anyone with a previous degree may take a full course load as a special student.

The School of Continuing Education administers special student records. The School provides counselling assistance, study skills courses, and registrarial services.

Special students are not differentiated in any way from degree students in class,

says Professor Wilkinson. "They take courses, write essays and exams, and get a grade just as everyone else does."

With about 4,000 special students enrolled at the University, there is a high demand for services and courses. But given limited funding and resources, the University simply can't meet all of these demands, says Professor Wilkinson.

"Full-time degree students have top priority in limited enrolment programs," he says. "Otherwise, the University encourages as broad an enrolment as possible."

Areas particularly under pressure, he says, include business, economics, psychology and French language courses.

People register as special students for a wide variety of reasons, he says. They may have been out of school for a while and want to "test the waters"; they may be taking a course for career advancement; or they're taking a course for personal interest.

The Carleton alumni who register as special students share these reasons.

Bonnie McLaurin, now a teacher who graduated in 1973 with a BA in sociology, is taking a children's literature course to upgrade her qualifications as she moves from teaching primary school to secondary school.

The fact that the course is offered on ITV is an added bonus to her, she says.

"I think ITV is great. I tape the program and watch it whenever I want."

Daniel Mathieu, a biology graduate of 1985, is also taking the ITV course in children's literature. His reason is purely for personal interest.

"Someone else had taken the course and told me it was very good," he says. I like the subject and the professor."

Richard Chmiel, an architecture graduate of 1983, is taking courses in philosophy, also for personal interest, but with the added goal of going to graduate school at Cambridge.

He says he was always interested in philosophy, but was unable to take any courses in the subject while enrolled full-time in the School of Architecture.

For him, taking the courses at Carleton has an added advantage.

"The campus is familiar," he says. "I like to stay in touch with faculty in the School of Architecture, and so I stop by the School every week to visit and check out what's happening."

Familiarity with Carleton was also a factor in Pamela Sumner's decision to take more courses here.

A 1983 graduate with her BA in law, she has been working in the computer field for the past two years, and has decided to get a Bachelor of Computer Science degree.

She knew of the program at Carleton and called for advice on what courses to take. Now she's working part-time and taking a full course load as a special student.

Though she enjoys being a student again, it's been hard getting started, she admits. "There's a lot of work involved . . . You don't have much spare time."

Juggling courses and careers is often the biggest challenge facing special students.

Nancy Gochnauer, a BA (English) graduate of 1973 withdrew from a fall course in economics when career demands made it impossible to manage both.

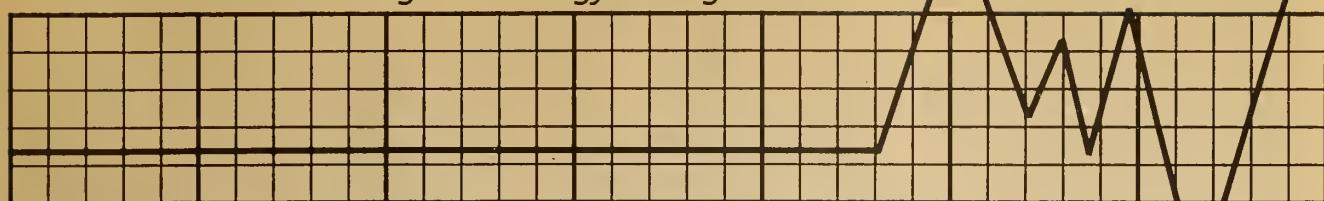
A graduate of the Nova Scotia College of Art and Design, she designs and paints textiles, and is part owner of Snapdragon Fine Crafts, located in the Glebe district of Ottawa.

"Christmas is a big season," she says simply.

She is planning to register in another economics course this winter, when her job is less demanding.

"I enjoyed taking the course," she says. "It's fun."

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# Annual Report

*Presented to the Annual Meeting of the Carleton University Alumni Association October 18, 1985*

### Introduction

The year 1984-85 was a new beginning for the Carleton University Alumni Association.

For the first time in almost a decade, alumni were governed by an association with a constitution, with an elected council and executive. This meant that alumni once again had a formal mechanism for bringing their concerns and interests to the attention of the University.

A major objective we faced was to re-establish a place for the Association within the University community. This report reviews the activities of the past year within this general context.

### University Relations

On February 1, 1985, the Alumni Council met formally with senior officers of the University — vice-presidents and deans — for the purposes of establishing contacts both on a formal and informal basis. The meeting provided an opportunity to present the University with an outline of the challenges we foresaw. The first meeting of its kind to take place in many years, it helped to establish our presence with University leaders.

At the request of the Alumni Association, the Board of Governors agreed to accept a nominee from the Association as a member of the Board, helping to re-establish a past link between the Board and alumni. The process involved submitting a slate of nominees from among alumni who had served for two years or more on the Alumni Council.

On March 25, Mr. Louis Reeves was formally elected to the Board. Though alumni nominees do not sit as spokespeople for the Association, we believe that having served on the Council brings a sensitivity and understanding to University which will help to further its interests.

In June, the University provided a place for the President of the Alumni Association in the academic procession at Convocation. Participation in this ceremony is another way that the Association can participate in a regular and meaningful way in the life of the University, and gives a profile to the Association both among academics and new graduates.

Also insofar as Convocation is concerned, the University Senate has agreed to a request from the Association to include a nominee on the Honorary Degrees Committee, and to invite submissions from alumni for Honorary Degree recipients through the Alumni News. Mrs. Gail Larose has agreed to serve in this capacity, after having been nominated as

part of a slate from the Alumni Association. The notice inviting honorary degree nominees from alumni will be published in this *Alumni News*.

### Student Relations

Our constitution provides for two *ex officio* student representatives on the Alumni Council, as a means of maintaining ongoing links between our Association and students. This year, Tony Macerollo and Brian Pagan have filled these positions.

A joint meeting of the executives of the alumni, students, and residence associations was held on May 13. Once again, the objective was to establish both formal and informal contacts, to exchange information about our respective associations, and to identify areas of common interest and concern. The meeting was organized by Mr. James Watson and held in the Parliamentary Restaurant.

On September 8, the Association was represented at Prelude '85, an event organized for students living off-campus to increase their awareness of services available to them, and to help them feel more a part of the University community.

Our relationship with students has come to focus on two projects in particular: Careers Insight, which puts students in touch with alumni working in a career area of interest to the student; and Neighbourhood Contacts, which puts students in touch with alumni who live in their neighbourhood. Work is continuing on both these projects.

### Alumni Association

The thrust of the Alumni Association's programs this year has been through pro-

grams activities organized by smaller groups and branches. These include: Old Crow Society, International Affairs, Architecture, Toronto.

### Alumni Fund

Once again, alumni contributed to the University's annual fund appeals. The results are as follows:

Achievement		\$86,568.87
Number of gifts		1,565
Average gift		\$55.32
Gifts were allocated as follows:		
Unrestricted	853 gifts	\$44,734.13
Capital Aid	9 gifts	849.50
Library	413 gifts	20,421.01
Academic		
Programs	176 gifts	10,647.23
Student Aid	114 gifts	9,917.00
TOTAL	1,565 gifts	\$86,568.87

### Alumni Relations Office

Through the Alumni Relations Office, two significant changes were made over the past year, one highly visible, the other less so, but no less important.

The first was the introduction in January of a quarterly, magazine-format *Alumni News*. The magazine provides alumni with a broader range of information related to the teaching and research activities of the University in addition to coverage of Association-sponsored programs and class notes.

The second has been the transfer of the more than 40,000 alumni records to a new computer program. This involved not just moving the records, but enhancing them to provide for storage of a greater range of information, and better retrieval.

## TORONTO ALUMNI CALENDAR

For Carleton grads who gave up the Arts Tower for the CN Tower, here's an event you won't want to miss.

February 22 is when Toronto's Carleton University alumni and friends take to the Old Firehall, 110 Lombard, for dinner and Second City's "Andy Warhol Your 15 Minutes Are Up."

Appetizers are sure to consist of piping hot Carleton stories; the main entree will be renewing old acquaintances.

Tickets are limited and available at \$26.15 for dinner and show, by mailing your cheque payable to Carleton University Alumni Association-Toronto, 192 Gillard Ave., Toronto, Ontario M4J 4N8.

Dinner is at 8:30 p.m. The show starts at 11:00 p.m.

If you missed the '85 Spring Fling at Sutton Place, be sure to mark February 22 on your '86 calendar right away.

For more information, to reserve tickets, or if you just want to get involved with the Toronto alumni group, call (416) 485-7246.

Coming up are . . .

'86 Spring Fling, an evening of hors d'oeuvres and drinks atop Toronto Alumni at the Blue Jays game during one of the season openers.

Watch for details in the next *Alumni News*.



**Alumni Weekend Highlights:** (TOP) Old Crow burgers were a great way to get in the right spirit for the Panda Game, and what a game it was. Carleton put together its first string of three consecutive Panda victories by beating Ottawa U 34-27. (LEFT) Timothy Porteous, former director of the Canada Council, is presented with a token of appreciation from Mary Ford, who organized the Sunday morning brunch. (RIGHT) Rafael Aziz explains some of the ideas being his work at an exhibition by graduates of the School of Architecture.

## Alumni Council Elected

The 1985-86 Alumni Council and executive were elected at the Annual meeting of the Alumni Association on Friday, October 18, 1985. Members are:

Murray Hunter, BA/72, President  
 James Watson, BA/83, Vice-President  
 Gail Larose, BA Hons/69, MA/70,  
     Secretary-treasurer  
 Louis Reeves, MA/74, Past-President  
 Clayton Beattie, BA/51  
 John Birchall, BSc/62  
 Bonnie Carroll, BJ/71  
 Bob Eccles, BCom/71, BA Hons/72  
 Patricia Finn, BA/80  
 Stephen Hurst, BA/80  
 Gordon Jansen, MA/79  
 Dianne Larocque, BA/85  
 Micheline McKay, BA Hons/83  
 Ted McNabb, BA/82  
 Patricia Oosterbaan-Hamilton, BA/57  
 Peter Pivko, BArch/78  
 Jeffrey Rochon, BEng/73  
 Jill Vickers, BA Hons/65, PhD (London)

Mr. Hunter has been a member of the Alumni Council since 1982, and served as Vice-President in 1984-85. He owns his own company, Devon Financial Services Ltd.

Mr. Watson, a former President of the Rideau River Residence Association, is



**Alumni Council (l-r):** James Watson, Jill Vickers, Bonnie Carroll, Stephen Hurst, Pat Finn, Murray Hunter, Peter Pivko, Pat Oosterbaan-Hamilton, Jeff Rochon, Micheline McKay, Gordon Jansen, Ted McNabb, and John Birchall.

currently the press secretary to the Speaker of the House of Commons.

Mrs. Larose is the Director, International Relations and Scholarship Administration, for the Association of Universities and Colleges of Canada.

Of those elected to the Council for their first term this year, Dianne Larocque is a research assistant to a Member of Parliament; Bonnie Carroll is the Human Rights Co-ordinator for the Public Service Alliance of Canada; Jeffrey Rochon is a Manager, Industrial Benefits for the Department of Regional and Industrial Expansion; Patricia Finn is the business agent for the Carleton University Aca-

demic Staff Association; and Jill Vickers is a professor of political science and Co-ordinator of Women's Studies at Carleton.

### Architecture Alumni

Architecture alumni held their first meeting to form a branch of the Alumni Association on October 19. Elected to the Architecture Council are: Peter Pivko, president; Brian Eames, vice-president; Robert Webster, secretary-treasurer; Richard Limmert and David Pearce, councillors with one-year terms; and Yves Gosselin and Fred Schriever, councillors with two-year terms.

# Yellow Balloon Soars for Heather

Heather Thompson (Rogers), BA/56, owns one of Ottawa's most fashionable children's stores, The Yellow Balloon.

"I'm a success story because of Carleton University," she says. "They really cared about us."

She recalls arriving at Carleton in 1952 with the intent of registering as a special student. She had attended private school in Quebec, but didn't matriculate and had no background in mathematics or science.

"I walked in to see Ted Sheffield (then University Registrar) and gave him my marks," she recalls.

"He said, I'm sorry, we can't allow you to register as a special student, but will admit you as a full-time student in Arts."

His reasoning, she said, was that if she took and passed the math and science courses then required for arts, she would have been capable of passing them at the high school level at any rate.

"So that's the way I came to Carleton," she says. "They had faith in me, or needed the money, I'm not sure which."

Her recollections of the University are filled with nostalgia and fond memories.

"Carleton was so small then, we knew everyone," she recalls. "We worked hard, but had a great deal of fun."

She was president of the student theatre group, Sock'n'Buskin, organized a Frosh Review, and chaired the inter-varsity drama festival (the latter two have long since ceased to exist).

"I loved drama, though I wasn't good enough to be on the stage and didn't like it there either," she says. "My forte was producing plays. I was happy backstage."

When she wanted to go to graduate school, it was Jean Loates who advised her of an assistantship at Syracuse University that was available to Canadian students. She was accepted there, but didn't graduate.

The route to owning The Yellow Balloon was a circuitous one.

Her first job was as a statistical assistant to the registrar at Carleton, a job, she says only half-ruefully, which was replaced by a computer.

In the early '60s, she opened Drake Personnel services in Ottawa as a branch of Office Overload.

Though she says she enjoyed this job, within two years, she was married, living in Montreal, and raising a family of three.

When her youngest child was five, she opened the first Yellow Balloon above a women's clothing store in Montreal.

As for choosing the name, she says simply "Balloon means children, and yellow is my favourite colour."



*Heather Thompson: "Carleton cared about us."*

Her first store was so successful that she soon moved to a second, larger location, running a "very expensive" children's wear boutique.

Many of her customers were from Ottawa, she says, and the subject of opening an Ottawa branch came up often.

Finally, her husband's job and the "situation in Quebec" brought them back to Ottawa ("I dragged my heels as much as I could . . . I loved Montreal.") The Yellow Balloon arrived in 1977, two years before they made the final move.

The Elgin Street store is different, she says, more mid-priced, but has changed over the years.

"We've kept an eye on the market . . . it's changed dramatically in 10 years," she says. "People now are more fashion-conscious. The two-income family keeps me going."

Her whole family has been involved in the enterprise. Her husband is a chartered accountant, and her children have modelled clothes and worked in the store.

"They're proud of the store," she says. "The whole family built it. They've sacrificed . . . We've all benefitted from it."

Her recommendation to anyone starting a small business today would be to take a business course and spend at least two years working for someone else "where you can deal directly with the owner . . .

see the day-to-day vicissitudes of running a business."

Her talents in the drama department have been turned to organizing children's fashion shows for charitable purposes. Ronald McDonald House, the Children's Hospital of Eastern Ontario, and Child Find have all benefitted from her work in this area.

"I was brought up in an era when you were taught you had to give back to the community what you got from it," she says. "I had been so involved in my business, I didn't have time to do volunteer work . . . it was frustrating for me."

Her daughter, Rosemary, is a journalism student at Carleton now, but Heather doesn't have much occasion to come to the campus herself, though she was called by students in the School of Business recently when they were preparing an assignment on running a children's store.

She gave them some information, and then was invited back to hear their presentations.

"They were really impressive," she says. "Many were based on The Yellow Balloon experience, which really pleased me."

"I'm glad none of them actually opened a store. I wouldn't have needed the competition."

# In Memoriam

## Kenneth Smith, BJ/54

Ken Smith, business and financial columnist for the Canadian Press, died suddenly at his home on Friday, August 9. He was 53.

His column, "It's Your Business" was featured regularly in many of the more than 100 daily newspapers served by the national news wire service and was lauded by editors for its lucid, straightforward treatment of complex financial issues.

He is survived by his wife, Jean, and two daughters, Karen Latrendresse and Annie Smith, all of Toronto.

A memorial scholarship, to be awarded annually to a student in the School of Journalism, is being established. Contributions to the endowment fund should be sent to the Development Services Office, Carleton University, Ottawa, Canada K1S 5B6.

## Richard Glover

### Professor Emeritus (History)

Richard Glover, a distinguished Professor Emeritus at Carleton, died in September, in Victoria, British Columbia, after a lengthy illness. He was 76.

Professor Glover was best known as a historian, but he also took a scholarly interest in both theology and zoology, and published widely in all three fields.

Professor Glover came to Carleton in 1967, after having served three years as a Director for the Human History Branch of the National Museum of Man. Until his retirement in 1975, he delighted students and colleagues alike with his knowledge and enthusiasm.

A scholarship fund has been established in his memory. Contributions may be made through the Development Services Office, Carleton University, Ottawa, Ontario, K1S 5B6.

## Alastair Munro, BA/62 Tribute by Brigitte Smith, Sessional lecturer, Department of French

Alastair Munro, who graduated from Carleton with a degree in English (1962), passed away this summer. Mr. Munro was one of Carleton's most gifted dance teachers. He had a distinguished career with the National Ballet, and danced for the Metropolitan Opera in New York. He also taught for the Ottawa School of Dance. Alastair Munro's patience, warm personality and enthusiasm touched and influenced all his students. The National Ballet has set up a special fund in his name. All people at Carleton who had the pleasure of working with Mr. Munro will miss him deeply.

## Paul Beesack

### Professor of Mathematics

Paul (Bud) Beesack, 61, Professor of Mathematics at Carleton and a member of the University's faculty for 25 years, died suddenly in his office on October 16.

Though he taught a great variety of courses over the years for his department, his special branch of mathematics was analysis, and he was an expert in inequalities. He published over 60 papers in scholarly journals.

Dr. Beesack came to Carleton in 1960 from McMaster University in his native Hamilton, where he had taught for five years.

He is survived by his wife of 36 years, Lavada, and by two children, Anne and John.

A memorial service was held at the University on October 24. A Paul Beesack Memorial Scholarship has been established in his honour. Contributions may be made through the Development Services Office, Carleton University, Ottawa, Ontario, K1S 5B6.



*International Affairs Alumni raised \$1,500 for the School's Resource Centre. Here, alumni Norman Hall (far left) and Gordon Jansen (second from right) review some of the Centre's holdings with Vivian Commins, Resource Centre Coordinator, and Brian Tomlin, Director of the School of International Affairs.*

# Through the Years

50

Iona Skuce, BA/50, retired in August 1985 after 35 years as a Commerce Officer with the Public Service. Iona now lives in Tallahassee, Florida, where she is studying for a degree in Media Communications at Florida State University and writing for television.

55

Colin MacDonald, BJ/55, is living on his farm on Washington Island, Wisconsin, where he says the ice-breaker connects once daily from January to March. Formerly a Chicago grain trader, and Bond Trader for several American banks, Colin says he may dust off his BJ used previously at Canadian Press, McGraw Hill and UPI. Peter McBurney, Eng/55, of Sim and McBurney, Toronto, was elected President of the Patent and Trademark Institute of Canada at its Annual General Meeting held in London, Ontario, in September 1985.

57

Judy Murphy (Thormahlen), BJ/57, formerly Press Secretary for the National Organization for Women in Washington, D.C., was recently appointed Deputy Director/Press Relations Manager, Office of Public Affairs at the Montefiore Medical Centre, Bronx, New York.

59

Sara McKay (Hayden), BA/59, conducted the chorus and orchestra in a performance of the *St. Matthew Passion*, on the occasion of the 300th anniversary of J.S. Bach's birth in March 1985. Sara lives in St. Peter, Minnesota with her husband John, a concert pianist, and is very active as a soloist and voice teacher.

63

Marjorie Frankel (Adamson), BA/63, formerly a researcher at the Regional Centre for Educational Support Services (RECESS), is now a mathematics and computer studies teacher with the London (Ontario) Board of Education's Adult Learning Centre. Marjorie and her husband Art have two teenage children, Jennifer and Neal.

64

John Morning BA/64, is employed by the Ontario Ministry of Treasury and Economics in Toronto, and was recently appointed Senior Policy Advisor. John is responsible for the administration of federal/provincial economic development agreements.

## 65

**Dennis Dicks**, BAHons/65, has been appointed Vice Dean, Curriculum and Administration, Faculty of Arts and Science at Concordia University. Dennis is married with three children and lives in Ile Perrot, Quebec.

**John MacDonald**, MEng/65, was recently appointed President, Northern Telecom Electronics Limited, Toronto.

## 67

**Fruji Bull (Czako)**, BJ/67, is employed by the Department of Industry in Ottawa, and is Manager, Marine Systems Division.

## 68

**J. Patrick Boyer**, BAHons/68, is the PC member for the Toronto-area riding of Etobicoke-Lakeshore.

**John Cudahy**, BA/68 (SPC), lives in Etobicoke, Ontario, and works as a tax consultant for doctors at St. Joseph's Health Centre. He was recently featured in the *Lakeshore Advertiser* (Islington, Ontario), when he ran as a candidate for alderman for the Etobicoke area.

**Marie-Lynn Hammond**, BA/68, was featured in the (*Ottawa Citizen*), when her first play, *Beaux Gestes and Beautiful Deeds* opened at the Blyth, Ontario Festival this summer. The play had previously run at the Manitoba Theatre Centre and at Le P'tit Bonheur in Toronto. **Heather Ravlich (Moir)**, BA/68, and her husband, Montford, live in Calgary, Alberta, and have two children; Matthew Jordan, born November 1982, and Elizabeth Bryden, born September 1984.

## 69

**Maureen Katz**, BA/69, is married with two children, and works as a Training Consultant for Transport Canada in Ottawa.

## 70

**Jim Barlow**, BSc/70, BScHons/71, and his wife Lorraine, announce the birth of their second child, Aaron Michael, on July 4, 1985. The Barlows reside in Leamington, Ontario, where Jim is the Superintendent of Point Pelee National Park. **Pamela Clasper (Munro)**, BScHons/70, a 1984 graduate of Seneca College in Library Techniques, is currently working in the Resource Unit for *The Journal* at C.B.C. Pamela and her husband, Barry live in Willowdale, Ontario and have two children; Andrea (15) and Ken (12).

**Darrell Colwell**, BA/70, formerly with the Canadian Embassy, Washington, D.C., is now the Director General, Sir William Stephenson Academy at CFB Borden, Ontario.

**W. Keith Hearn**, BA/70, DPA/70, was elected Chairman of the Board of Trustees of the Ottawa Civic Hospital.

**Ian Lithgow**, BA/70, was appointed Vice-President (External Relations) at York University in Toronto. Ian joins the staff at York on December 2, 1985, after five

years as Vice-President of Public Affairs at Ottawa Civic Hospital.

**Gail O'Connell (Dewis)**, BA/70, and her husband, Terry, are pleased to announce the birth of Grace Margaret, born June 1984, a sister for Allison and Kathryn.

## 71

**Chris Holmes**, BA/71, who also holds an MA and PhD. from the University of Waterloo, is co-founder of the Institute for Mystical and Spiritual Science, located in Maple, Ontario.

## 72

**Stephen Massiah**, BA/72, B.Ed (Queen's), M.Ed (Brock), recently completed post-masters studies at Guelph University in Family Studies. An Associate Therapist with the American and Canadian (Ontario) Association for Marriage and Family Therapy, Steve has now returned to Toronto as a Guidance Counsellor at Michael Power/St. Joseph's High School, and is also starting a private practice as a family therapist.

**George Steeves**, BEng/72, MEng/74, is the Principal in the engineering firm of Cumming, Cockburn & Associates Ltd. George lives in Toronto with his wife Lynne, and their two sons; Andrew McKenzie, and Kyle Michael.

**Colin Vickers**, BAHons/72, recently returned from Swansea, Wales, where he was reading for his M.Phil. He was a recipient of the S. Hunter Henry Fellowship from the Ontario Secondary School Teachers Federation for his studies. Colin is currently employed with the Frontenac County Board of Education as Assistant to the Superintendent of Education.

## 73

**Lorill Anderson (Perret)**, BA/73 (SPC), and her husband Allan are pleased to announce the birth of Shane Nolan on June 18, 1985, a brother for Cole.

**Valerie Ruth Hunter**, BA/73, CTESL/75, has been working for Employment and Immigration as a case presenting officer since 1980. Valerie married Frantisek Zemanek in Ottawa in 1982, and they have one son, Antonin Jan born December 1, 1983.

## 74

**Martin Glynn**, BAHons/74, and his wife, **Debra Bell**, BCom/77, live in Vancouver, British Columbia, and have a daughter, Andrea, born November 30, 1983. The couple are expecting their second child on New Year's Eve. Martin is employed by the Bank of Canada as Assistant Vice-President, International Trade and Finance.

**Linda Knowles (Craig)**, BAHons/74, MA/75, has lived in England since completing her PhD in 1981 at the University of St. Andrews, Scotland. Linda now lives in Hertfordshire with her husband and two daughters, Katie (4½) and Laura (16 mos.), and welcomes visits from fellow

English graduates.

**Gordon Peeling**, MSc/74, BA/79, is the director of international mineral relations with Energy, Mines and Resources.

**Costa Pilavachi**, BA/74, DPA/75, formerly director of the National Arts Centre music department in Ottawa, is currently enjoying his new duties as artistic administrator of the Boston Symphony Orchestra. **Michael Reid**, BAHons/74, LL.B (Ottawa), lives in Perth, Ontario, where he has his own law practice.

**Barbara Tink**, BAHons/74, MA/76, and her husband **Dave Havelock**, BSc/74, are pleased to announce the birth of their daughter, Julia Joyce, on January 5, 1985.

## 75

**Judith Bond**, BSc/75, M.H.Sc (Toronto), is now working as a speech-language pathologist for the Dufferin-Peel School Board in Mississauga, Ontario.

**Doug Junke**, BA/75, formerly with the *Kitchener-Waterloo Record*, is now a sports and news copy editor with the *Hamilton Spectator*.

## 76

**Karen-Jean Bradley**, BA/76, has been working for Air Canada and doing a lot of travelling. In September, Karen-Jean and her husband, Terence Doyle moved to London, England, where they will live for one year.

## 77

**Lucia de Marinis**, BA/77, graduated from the Cleveland Institute of Art with a Bachelor of Fine Arts in painting in 1984. An Italian major while at Carleton, Lucia maintains her studio by teaching at E.L.S. Language School, the Cleveland Institute of Art, and the Cleveland Museum of Art.

**Wayne Haymer**, BA/77 (SPC), a 1985 CGA graduate, was recently appointed as Controller for PPL Marketing Services Inc. in Mississauga, Ontario. Wayne had previously held positions in accounting and systems management in private industry.

**Carol Laderoute-Rochefort**, BA/77, lives in Nepean, Ontario, with her husband **Terrance Rochefort**, BCom/70. Carol has been working in the space division at Canadian Astronautics since 1981, and was recently promoted to the position of Manager, Project Management Systems and Training.

**Janet Moffat**, BJ/77, formerly with *Today* and *Canadian Living* magazines in Toronto, was married on May 3, 1985 to Kevin Cox, a reporter for the *Globe and Mail*. They are now living in Calgary for three years, where Janet is freelancing.

**Renee Vogel**, BAHons/77, works as a therapist in the Department of Psychology at the Royal Ottawa Rehabilitation Centre. Renee is married to Andy Robert, and they are delighted to announce the birth of their first child, Joshua Michael on April 11, 1985.

## 78

**Harold Bradley**, BA Hons/78, graduated in 1981 from Rensselaer Polytechnic Institute in Troy, New York, with a degree in technical writing. He is currently employed with the marketing department of Sytron Donner, Safety Systems Division, in Concord, California.

**Steve Garrison**, BA/78, and his wife, **Penny**, BJ/79, moved from Vancouver to Oshawa, Ontario, where Steve is a counsellor for Oshawa Hostel Services. They have a one-year-old daughter, Janelle Christine.

**Yvette Hackett**, BA/78, BA Hons/82, lives in Ottawa, and works for the National Film, Television and Sound Archives, a division of Public Archives Canada.

**Michael Wallace**, BSc/78, is working as a Computer Systems Development Manager for Petromin, the Saudi Arabian Oil Ministry, in Jeddah.

## 79

**Allen Clarke**, MA/79, is vice-president and manager of the financial consulting firm of McLeod, Young and Weir, in Ottawa.

**Elaine McRitchie**, BA/79, represented Canada on the Women's World Powerlifting Team, and placed 11th at the World Powerlifting Championships in Vienna, Austria in May of this year. Elaine is now preparing for the Canadian Nationals to be held in Kitchener, Ontario in January 1986.

**Richard Sherry**, BEng/79, MEng/81, formerly with MITEL Corporation of Kanata, Ontario, moved to Calgary, Alberta and is employed by NOVATEL Communications, Canada's only producer of mobile car radio telephones and systems. Richard is managing a group responsible for Manufacturing Requirements Planning (MRP) database integrity management.

**Christine Tausig**, BJ/79, former Canadian correspondent for the *Times Higher Education Supplement*, has been appointed information officer with the Association of Universities and Colleges of Canada (AUCC).

**Steven Ayling**, BA/79, has a degree in Hospital Administration, and is now doing post-graduate work in Public Health at the University of North Carolina at Chapel Hill. Steven is married to **Maureen (Holt)**, BA/76, a marketing manager with Northern Telecom.

## 80

**Kenneth Burke**, BA Hons/80, LL.B., B.Civil Law (McGill), MSc (London), is currently employed with the legal department of the Canadian Imperial Bank of Commerce in Toronto.

**Bruce Caven**, BCom/80, is employed as the Dealer Manager of Canadian Satellite Communications Inc. in Mississauga, Ontario.

**Jennifer Donolo**, BA/80, is a 1985 grad-

uate of the Ontario Bar, and is now practising law in Oakville, Ontario.

## 81

**Douglas Black**, BArch/81, lives in London, Ontario, and is an architect for Bell Canada Real Estate department.

**Esther Fine**, MA/81, is currently living in Nairobi, Kenya and is a psycho-educational consultant for the International School of Kenya. Esther is one of a team in a joint Canadian/Kenyan project conducting research into the country's education system.

**Tess Kalinowski**, BA/81, BJ/83, formerly editorial assistant in the Maclean Hunter Business Publications Division, was appointed news editor of *Canadian Grocer* in May of this year.

**Beth Shotton**, BCom/81, currently a first-year student in Architecture at the University of British Columbia, was awarded a prize for fourth place in the 1985 Design Competition for Canadian Students of Architecture.

## 82

**John Baldwin**, BCom/82, married **Mary Pat Murray**, BCom/83, in April 1984, and they live in Calgary, Alberta. John is a chartered accountant with Clarkson Gordon, and Mary Pat is working on her CA designation at the same company.

**Glenda Bourgeois**, BA Hons/82, married **Paul Robertson**, BJ/83, on June 1, 1985. Glenda works for Supply and Services, and Paul is with Energy, Mines and Resources.

**Daniel Greco**, BCom/82, received his Bachelor of Law degree from the University of Ottawa in June of this year. He is currently articling with the firm of Houlahan and Baldwin in Ottawa.

**Jose Gutierrez**, BEng/82, formerly employed by an oil company in Venezuela, moved to Canada in February 1985, and was married on April 20, 1985. Jose now works as a Results Engineer for Babcock and Wilcox Canada in Cambridge, Ontario.

**Gary Pickard**, BA/82, received his LL.B. degree from the University of Western Ontario in June of this year, and is now articling with the law firm of Clarke, Zwicker, Evans and Lewis in Orillia, Ontario.

**Eric Wees**, BA/82, MA/85, moved to Hamilton, Ontario this fall, and has begun studies in the Master of Divinity program at McMaster Divinity College.

## 83

**Robert Davis**, BCom/83, is a District Sales Manager for Pepsi Cola Canada Ltd., and was 1984 National Salesman of the Year for General Mills Canada Inc. Robert, who resides in St. Laurent, Quebec, is currently working on his MBA at McGill University.

**Jeff Donald**, BSc/83, is a staff geologist with the Ontario Ministry of Natural

Resources in Sault Ste. Marie, Ontario, and he invites any friends who may be in the area to visit him.

**Brent Francis**, BA/83, a film studies major while at Carleton, recently graduated from Algonquin College in Ottawa with a diploma in Radio and TV broadcasting. **Terry Gray**, BCom/83, was appointed Office Manager of the Royal Canadian Geographical Society, publishers of *Canadian Geographic* magazine, in February 1984. Terry is married to **Laura (Cowell)**, BA Hons/83, and the couple resides in Blackburn Hamlet, Ontario.

**Kathy Letterick**, BA/83, is currently employed with the Atlantic Television System in Moncton, New Brunswick. Kathy's future plans include returning to University in the fall of 1986 to study for a degree in Journalism.

**Darlene Macdonald**, (Watt), BJ/83, is working for Global Television, Ottawa News Bureau. Darlene is married to **Bruce**, BID/85, an industrial designer with the Ottawa firm of Tetrad Marketing/Sales Limited.

**Nataley Nagy**, BA/83, is currently employed as Assistant Director/Publicist at the S.A.W. Gallery in Ottawa.

**Anthony Pollard**, MA/83, has accepted the position of Senior Government Liaison and Public Relations Officer with the Canadian Council for Professional Engineers. Anthony previously served three years as a special assistant to then Minister of Transport, the Hon. Jean-Luc Pepin, and senior policy adviser to former Minister of State (Multiculturalism), the Hon. David Collenette.

**Rob Shields**, BA/83, who is currently completing his MA at Carleton, has been awarded a Commonwealth Scholarship to study at the University of Sussex in England. Rob will begin reading for his PhD in Urban Studies in September 1985.

## 84

**Michael Berry**, BEng/84, lives in Belleville, Ontario, and is employed at Northern Telecom.

**Josephine Bondi**, BA/84, BA Hons/85, was accepted into the Teacher Education program at the University of Ottawa where she began her studies this fall.

**Zane Brown**, MA/84, has been appointed Regional Director, Pacific Region, for Consumer and Corporate Affairs Canada.

**Steve Bushey**, MA/84, is realizing a dream which started while he was a master's student in Geography at Carleton. The *New York Times* recently reported that Steve and two partners have formed the Cata- mount Trail Association, and are currently planning a ski trail from Rowe, Mass., to North Troy, Vermont. When completed by the year 2000, the ski trail will be 280 miles in length and have 21 touring centres and lodges.

**Carol Duthie**, BJ/84, has been working as Communications Officer for the Cana-



## THE OLD CROW SOCIETY

Football Awards Dinner  
coming up

Thursday, February 27, 1986

dian Marconi Company in Montreal since April 1, 1985.

**Diana Gunstone**, BCom/84, recently accepted the position of Planning Coordinator, Photo Products Division, at DuPont Canada.

**Nancy Hamilton-Noyes**, BAHons/84, lives in Vancouver with her husband Steve, BAHons/84, and is currently completing her BSW at the University of British Columbia.

**Kathlene Livingston**, BA/84, was recently appointed to branch manager of the Ottawa office of Kelly Services Ltd. Kathlene joined the temporary help company in September 1984 as supervisor. **Steve Noyes**, BAHons/84, is Editor in Chief of *Prism International*, a literary magazine, and is married to **Nancy Hamilton-Noyes**, BAHons/84.

**Kris Schnack**, MA/84, lives on a small farm in West Yorkshire, England, and is currently working as a Research Officer at Huddersfield Polytechnic. Kris would welcome news from former classmates.

**David Smith**, BAHons/84, is currently studying for his master's in Business Administration at the University of Western Ontario, and will be graduating in the spring of 1986.

### 85

**Mary Agboli**, BA/85, is currently enrolled in the MBA program at Howard University in Washington D.C., specializing in labour management relations and computer-based management.

**Jane Antoniak**, BJ/85, has accepted a position with CTV Edmonton as a news journalist.

**Martin Bordt**, BEng/85, is currently employed as a manager in the Corporate Engineering Division of Bell Canada in

Toronto.

**Josephine Cheeseman**, BJ/85, who also hold degrees in arts and education from Memorial University, has been appointed News Editor of the *Evening Telegram*, in St. John's Newfoundland.

**Neil Kaplanis**, BArch/85, is working with Jerome Markson Architects in Toronto. **Michael Mastronardi**, MA/85, was recently appointed Public Policy Analyst for Executive Consultants Limited (ECL), in Ottawa.

**Chantal Serre**, BSc/85, is continuing her education at the teacher's college, University of Ottawa.

**R. Cameron Shantz**, BArch/85, is currently employed by Carley and Colquhoun Architects of Toronto.

**Heather Shaw**, BA/85, lives in Ottawa, and is currently employed with the Detoxification Centre, and as a child care worker with the Children's Aid Society.

**Roberta Wadden**, BCom/85, is currently working as assistant accountant with Dipix Systems Ltd. of Ottawa.

**James Wheeler**, BEng/85, is employed by Norjohn Contractors, Burlington, a division of Walker Industries of St. Catharines, Ontario.

**Richard Yellowega**, BArch/85, is employed with the Townend, Stefura, Baleshta and Nicholls architecture firm in Sudbury, Ontario.

## News & Moves

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### PERSONAL NEWS

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# “The Loon and the Fish” by Kananginak



K

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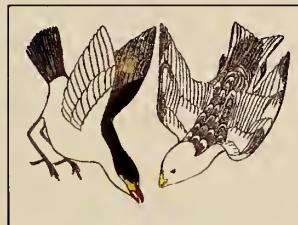
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